Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of the claims in the application.

1. (Original) A method, comprising:

obtaining a plurality of e-mails intended for distribution to a plurality of respective destinations; and

processing the plurality of e-mails solely within non persistent storage, without requiring that information indicative of the e-mails be written to and then read from persistent storage during the processing of the e-mails.

2. (Currently amended) A method as in claim 1, further comprising[[:]]

storing, in persistent storage, recovery information indicative of the processing, said recovery information being used for recovery from a system fault.

3. (Currently amended) A method as in claim 2, wherein said recovery information includes information indicative of a plurality of e-mails, wherein said ~~each~~ information ~~indicative of each e-mail~~ is indicative of less than the ~~entire e-mail~~ entirety of each e-mail in said plurality of e-mails.

4. (Currently amended) A method as in claim 3, wherein said information indicative of the plurality of e-mails ~~e-mail~~ includes a bit vector.

5. (Currently amended) A method as in claim 1, wherein said processing comprises:

arranging information about the plurality of e-mails into a plurality of queues, each queue representing a single domain~~,~~; and ~~further comprising~~

sending e-mails to a recipient, by sending a plurality of e-mails from ~~the~~ a queue in said plurality of queues to ~~a~~ the single domain that the queue represents, at a specific sending instance.

6. (Currently amended) A method as in claim 5, wherein said sending comprises:

opening a communication channel to a single specified domain~~,~~; and

sending a plurality of e-mails within the ~~single~~ communication channel.

7. (Currently amended) A method as in claim 3, wherein said recovery information includes a numerical ~~designations~~ designation for ~~which represent~~ each e-mail in said plurality of e-mails, and a state of processing of each e-mail in said plurality of ~~said~~ e-mails.

8. (Currently amended) A method as in claim 5, further comprising:

selecting a first queue in said plurality of queues to be processed, and

sending e-mails from the first queue all at once to the single domain that the first queue represents.

9. (Currently amended) A method as in claim 8, wherein said ~~selecting comprises selecting~~ a first queue ~~which~~ has the greatest number of ~~the~~ e-mails within the queue.

10. (Currently amended) A method as in claim 8, wherein said ~~selecting comprises selecting a~~ first queue ~~which~~ has existed for the greatest period of time.

11. (Currently amended) A method as in claim 8, further comprising, during said selecting ~~selection of a first queue~~, asynchronously looking up single domain ~~name server~~ information for a second queue in said plurality of queues that is different than the first ~~,~~ ~~selecting~~ queue.

12. (Currently amended) A method as in claim 1, further comprising:

processing the plurality of e-mails by separating personalized information about each e-mail in the plurality of e-mails from non-personalized information.

13. (Currently amended) A method as in claim 12, wherein said non-personalized information includes e-mail destination information ~~for the e-mail~~.

14. (Currently amended) A method as in claim 5, wherein said processing further comprises:

determining information about processing by said single domain~~,~~; and

adjusting a speed of ~~processing~~ sending of the e-mails based on said information ~~of~~ about processing of said single domain.

15. (Currently amended) A method as in claim 14, wherein said information about processing comprises a speed of e-mail processing.

16. (Currently amended) A method as in claim 1, further comprising:

maintaining a log representing information relating to e-mails in said plurality of e-mails which have been processed ~~in said software package~~; and

comparing contents of said log with licensing information, to determine if said information relating to e-mails exceeds a licensed number.

17. (Currently amended) A method as in claim 1, comprising:

~~obtaining a plurality of e-mails for processing;~~

storing recovery information about a state of processing of the plurality of e-mails to persistent storage, wherein said recovery information comprises less than the entirety of ~~e-mail~~ the plurality of e-mails; and

wherein the processing of the plurality of e-mails ~~to direct~~ directs the plurality of e-mails to a desired location without writing the plurality of e-mails to persistent storage during said processing.

18. (Original) A method as in claim 17, wherein said processing comprises sending e-mails from an e-mail client to a desired location.

19. (Currently amended) A method as in claim 17, wherein said processing comprises receiving e-mails from and distributing said e-mails to ~~specified destinations~~ said desired location.

20. (Currently amended) A method as in claim 17, wherein said recovery information includes information indicative of ~~a~~ said plurality of e-mails, wherein said ~~each~~ information ~~indicative of each e-mail~~ is indicative of less than the ~~entire e-mail~~ entirety of each e-mail in said plurality of e-mails.

21. (Currently amended) A method as in claim 19, wherein said information indicative of the e-mail includes a bit vector formed from an e-mail, in said plurality of e-mails, that is indicative of the e-mail.

22. (Currently amended) A method as in claim 17, wherein said processing comprises:

arranging information about the e-mails into a plurality of queues, each queue in said plurality of queues representing a single domain~~,~~; and ~~further comprising~~

sending e-mails to a recipient, by sending a plurality of e-mails to a single domain, represented by a queue in said plurality of queues, at a specific sending instance.

23. (Currently amended) A method as in claim 18, wherein said sending comprises:

opening a communication channel to ~~a single specified domain~~ said desired location;~~,~~ and

sending a plurality of e-mails within the ~~single~~ communication channel.

24. (Currently amended) A method as in claim 17, wherein said recovery information includes a number ~~numbers~~ of e-mails, and ~~states~~ a state of processing of ~~said~~ each e-mail in said number of e-mails.

25. (Currently amended) A method as in claim 22, further comprising

selecting a first queue in said plurality of queues to be processed, and

sending e-mails from the first queue all at once to the single domain represented by the first queue.

26. (Currently amended) A method as in claim 25, wherein said first ~~selecting comprises selecting a~~ queue ~~which~~ has the most ~~number of the~~ e-mails within the queue.

27. (Currently amended) A method as in claim 25, wherein said first ~~selecting comprises selecting~~ queue ~~which~~ has existed for the greatest period of time.

28. (Currently amended) A method as in claim 25, further comprising, during selection of ~~a~~ said first queue,

asynchronously looking up domain name server information for a second queue in said plurality of queues that is different than the ~~selecting~~ first queue.

29. (Currently amended) A method as in claim 17, further comprising:

processing the plurality of e-mails by separating personalized information about each e-mail in the plurality of e-mails from non-personalized information.

30. (Currently amended) A method as in claim 29, wherein said non-personalized information includes destination information for the ~~e-mail~~ plurality of e-mails.

31. (Currently amended) A method as in claim 22, wherein said processing comprises:

determining a speed of processing of said single domain~~,~~; and

adjusting a speed of ~~processing~~ sending of the e-mails based on said speed of processing of said single domain.

32. (Currently amended) A method as in claim 17, further comprising:

maintaining a log representing information relating to e-mails which have been processed; and

comparing contents of said log with licensing information, to determine if said information relating to e-mails exceeds a licensed number.

33. (Currently amended) A method, comprising:

obtaining a plurality of e-mails for processing~~:~~;

forming queue information about said plurality of e-mails, which assigns e-mails in said plurality of e-mails to one of a plurality of queues, each of the plurality of queues representing ~~a~~ an e-mail destination ~~for the e-mails~~; and

processing ~~said~~ e-mails in said queues in order to send ~~said~~ e-mails to ~~said destination~~ e-mail destinations represented by the plurality of queues; and

adjusting a rate of said processing of ~~said~~ e-mails for a given queue in the plurality of queues based on a rate of processing at said destination, to thereby carry out load-balancing.

34. (Original) A method as in claim 33, wherein said processing comprises:

processing the plurality of e-mails solely within non persistent storage, without requiring that information indicative of the e-mails be written to and then read from persistent storage during the processing of the e-mails.

35. (Original) A method as in claim 34, further comprising storing, in persistent storage, recovery information indicative of the processing, said recovery information being used for recovery from a system fault.

36. (Currently amended) A method as in claim 35, wherein said recovery information includes information indicative of ~~a~~ the plurality of e-mails, wherein ~~each~~ said information ~~indicative of each e-mail~~ is indicative of less than ~~the entire~~ the entirety of each e-mail in said plurality of e-mails.

37. (Currently amended) A method as in claim 36, wherein said recovery information ~~indicative of the e-mail~~ includes a bit vector formed from an e-mail, in said plurality of e-mails, that is indicative of the e-mail.

38. (Original) A method as in claim 33, further comprising sending e-mails to a recipient, by sending a plurality of e-mails to a single domain at a specific sending instance.

39. (Currently amended) A method as in claim 38, wherein said sending comprises:

opening a communication channel to ~~a~~ said single ~~specified~~ domain~~,~~; and

sending a plurality of e-mails within the ~~single~~ communication channel.

40. (Currently amended) A method as in claim 36, wherein said recovery information includes a number ~~numbers~~ of e-mails, and states of processing of each e-mail in said number of e-mails.

41. (Currently amended) A method as in claim 33, further comprising

selecting a first queue in said plurality of queues to be processed~~,~~; and

sending e-mails from the first queue all at once to the ~~single domain~~ e-mail destination represented by the first queue.

42. (Currently amended) A method as in claim 41, wherein said ~~selecting comprises selecting a~~ first queue ~~which~~ has the most ~~number of the~~ e-mails within the queue.

43. (Currently amended) A method as in claim 41, wherein said ~~selecting comprises selecting a~~ first queue ~~which~~ has existed for the greatest period of time.

44. (Currently amended) A method as in claim 41, further comprising, during said selecting ~~selection of a first queue~~,

asynchronously looking up ~~domain name server~~ destination information for a second queue in the plurality of queues that is~~,~~ different than the ~~selecting~~ first queue.

45. (Currently amended) A method as in claim 33 ~~, further comprising~~ wherein said processing ~~the e-mails by separating~~ separates personalized information about each e-mail in said plurality of e-mails from non-personalized information.

46. (Currently amended) A method as in claim 45, wherein said non-personalized information includes e-mail destination information ~~for the e-mail~~.

47. (Currently amended) A method as in claim 33, further comprising:

maintaining a log representing information relating to e-mails which have been processed; and

comparing contents of said log with licensing information, to determine if said information relating to said e-mails exceeds a licensed number.

48. (Currently amended) A method, comprising:

processing a plurality of e-mails in an e-mail software package;

maintaining a log representing a number of e-mails which have been processed in said software package; and

comparing ~~results~~ contents of said log with licensing information, to determine if ~~a~~ said number of e-mails which has been processed exceeds a number of ~~the~~ e-mails which ~~have~~ has been licensed.

49. (Currently amended) A method as in claim 48 further comprising:

processing the plurality of e-mails solely within non persistent storage, without requiring that information indicative of the ~~e-mail~~ e-mails be written to and then read from persistent storage during the processing of the plurality of e-mails.

50. (Original) A method as in claim 49, further comprising storing, in persistent storage, recovery information indicative of the processing, said recovery information being used for recovery from a system fault.

51. (Currently amended) A method as in claim 50, wherein said recovery information includes information indicative of ~~a~~ the plurality of e-mails, wherein said ~~each~~ information ~~indicative of each e-mail~~ is indicative of less than the ~~entire e-mail~~ entirety of each e-mail in said plurality of e-mails.

52. (Currently amended) A method as in claim 48, wherein said processing comprises:

arranging information about the plurality of e-mails into a plurality of queues, each queue in the plurality of queues representing a single domain in a plurality of single domains~~,~~; and ~~further comprising~~

sending e-mails to a recipient, by sending a plurality of e-mails to a single domain in the plurality of single domains that a queue in the plurality of queues represents, at a specific sending instance.

53. (Currently amended) A method as in claim 52, wherein said sending comprises:

opening a communication channel to a single specified domain~~,~~; and

sending a plurality of e-mails within the ~~single~~ communication channel.

54. (Currently amended) A method as in claim 50, wherein said recovery information includes ~~numbers~~ a number of said e-mails, and ~~states~~ a state of processing of each e-mail in said number of e-mails.

55. (Currently amended) A method as in claim 52, further comprising:

selecting a first queue in said plurality of queues to be processed~~,~~; and

sending e-mails from the first queue all at once to the single domain that the first queue represents.

56. (Currently amended) A method as in claim 55, wherein said ~~selecting comprises selecting a~~ first queue ~~which~~ has the most ~~number of the~~ e-mails within the queue.

57. (Currently amended) A method as in claim 55, wherein said ~~selecting comprises selecting a~~ first queue ~~which~~ has existed for the greatest period of time.

58. (Currently amended) A method as in claim 55, further comprising, during said selecting ~~selection of a first queue~~, asynchronously looking up single domain ~~name server~~ information for a second queue in said plurality of queues that is ~~,~~ different than the ~~selecting~~ first queue.

59. (Currently amended) A method as in claim 49, wherein said processing comprises:

determining a speed of processing of ~~said~~ a single domain~~,~~;; and

adjusting a speed of processing of the e-mails to said single domain based on said speed of processing of said single domain.

60. (Currently amended) A method, comprising:

obtaining a plurality of e-mails for processing;

forming organization information about said plurality of e-mails, representing a plurality of destinations for the plurality of e-mails;

sending a plurality of e-mails to a specific destination in said plurality of destinations at a specific time; and ~~during the time of said sending,~~

asynchronously looking up, during said sending step, ~~a~~ domain name information ~~asynchronously,~~ for a different ~~specific~~ destination in said plurality of destinations to be sent at a future time.

61. (Currently amended) A method as in claim 60, further comprising:

processing the plurality of e-mails solely within non persistent storage, without requiring that information indicative of the ~~e-mail~~ plurality of e-mails be written to and then read from persistent storage during the processing of the ~~e-mail~~ plurality of e-mails.

62. (Currently amended) A method as in claim 61, further comprising:

storing, in persistent storage, recovery information indicative of the processing, wherein said recovery information ~~being~~ is used for recovery from a system fault.

63. (Currently amended) A method as in claim 61, wherein said recovery information includes information indicative of a plurality of e-mails, wherein said ~~each~~ information

~~indicative of each e-mail~~ is indicative of less than the ~~entire e-mail~~ entirety of each of the e-mail in said plurality of e-mails.

64. (Currently amended) A method as in claim 60, wherein said processing comprises:

arranging information about the plurality of e-mails into a plurality of queues, each queue in said plurality of queues representing a single domain~~,~~; and ~~further comprising~~

sending e-mails to a recipient, by sending a plurality of e-mails from a queue in said plurality of queues to ~~a~~ the single domain that the queue represents at a specific sending instance.

65. (Currently amended) A method as in claim 64, wherein said sending comprises:

opening a communication channel to ~~a~~ the single ~~specified~~ domain~~,~~; and

sending a plurality of e-mails within the ~~single~~ communication channel.

66. (Currently amended) A method as in claim 63, wherein said recovery information includes a number ~~numbers~~ of e-mails, and ~~states~~ a state of processing of each e-mail in said number of said e-mails.

67. (Currently amended) A method as in claim 64, further comprising:

selecting a first queue to be processed~~,~~; and

sending e-mails from the first queue all at once to the single domain.

68. (Currently amended) A method as in claim 67, wherein said ~~selecting comprises selecting a~~ first queue ~~which~~ has the most ~~number of the~~ e-mails within the queue.

69. (Currently amended) A method as in claim 67, wherein said ~~selecting comprises selecting a~~ first queue ~~which~~ has existed for the greatest period of time.

70. (Currently amended) A method as in claim 67, further comprising, during selection of ~~a~~ said first queue, asynchronously looking up single domain name server information for a second queue that is ~~,~~ different than the ~~selecting~~ first queue.

71. (Currently amended) A method as in claim ~~63~~ 64, wherein said ~~processing~~ sending further comprises:

determining a speed of processing of said domain~~,~~; and

adjusting a speed of processing of the e-mails in the queue based on said speed of processing of said single domain.

72. (Currently amended) A method as in claim 60, further comprising:

maintaining a log representing a number ~~numbers~~ of e-mails which have been sent ~~processed in said software package~~; and

comparing contents of said log with licensing information, to determine if said number ~~numbers of e-mails~~ exceeds a licensed number.

73. (Currently amended) A method, comprising:

obtaining a plurality of e-mails for processing;

forming organization information about said plurality of e-mails, wherein said organization information represents ~~representing cues~~ a plurality of queues, each queue in said plurality of queues comprising ~~of the~~ e-mails in said plurality of e-mails that are intended for distribution ~~two~~ to a common destination; and ~~determining which~~

selecting a first queue in said plurality of queues to send e-mails ~~that~~, based on characteristics of the e-mails in the first queue.

74. (Currently amended) A method as in claim 73, further comprising:

processing the plurality of e-mails solely within non persistent storage, without requiring that information indicative of the ~~e-mail~~ plurality of e-mails be written to and then read from persistent storage during ~~the~~ processing ~~of the e-mail~~.

75. (Currently amended) A method as in claim 73, wherein said ~~selecting comprises selecting a~~ first queue ~~which~~ has the most ~~number of the~~ e-mails within the queue.

76. (Currently amended) A method as in claim 73, wherein said ~~selecting comprises selecting a~~ first queue ~~which~~ has existed for the greatest period of time.

77. (Currently amended) A method as in claim 73, further comprising, during the selecting step ~~selection of a first queue~~, asynchronously looking up domain server name server information for a second queue in said plurality of queues, different than the ~~selecting~~ first queue.

78. (Original) A method as in claim 73, further comprising storing, in persistent storage, recovery information indicative of the processing, said recovery information being used for recovery from a system fault.

79. (Currently amended) A method as in claim ~~73~~ 78, wherein said recovery information includes information indicative of a plurality of e-mails, wherein ~~each~~ said information ~~indicative of each e-mail~~ is indicative of less than the ~~entire e-mail~~ entirety of each e-mail in said plurality of e-mails.

80. (Currently amended) A method as in claim 73, wherein said processing comprises:

arranging information about the e-mails into a plurality of queues, each queue in the plurality of queues representing a single domain~~,~~; and ~~further comprising~~

sending e-mails to a recipient, by sending a plurality of e-mails to a single domain at a specific sending instance.

81. (Currently amended) A method as in claim 80, wherein said sending comprises:

opening a communication channel to a the single ~~specified~~ domain~~,~~; and

sending a plurality of e-mails within the ~~single~~ communication channel.

82. (Currently amended) A method as in claim 80, wherein said processing comprises:

determining a speed of processing of said single domain~~,~~; and

adjusting a speed of ~~processing~~ sending of ~~the~~ e-mails to said single domain based on said speed of processing of said single domain.

83. (Currently amended) A method as in claim 73, further comprising:

maintaining a log representing ~~numbers~~ a number of e-mails which have been processed ~~in said software package~~; and

comparing contents of said log with licensing information, to determine if said ~~numbers of e-mails~~ number exceeds a licensed number.